

Patent Abstracts of Japan

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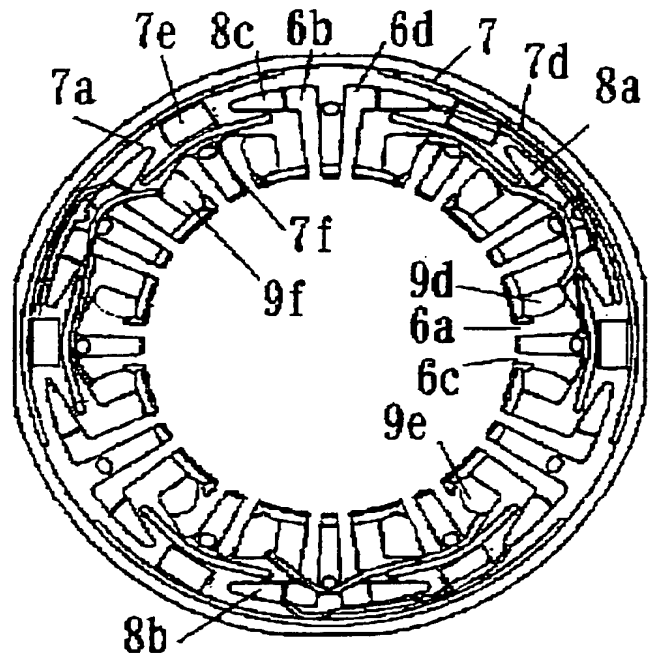
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APPLICANT : FUJITSU GENERAL LTD;

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TITLE : MOTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a motor which has attained improved reliability and productivity by preventing the generation of cracks at the corners of both end plates.

SOLUTION: This motor, involving a stator, is formed of a roughly I-shaped tooth parts at equal intervals from the yoke part of a stator core, forming roughly U-shaped tooth parts symmetrically with regard to both sides from every other base end of the roughly I-shaped tooth part, forming inner grooves 6a, 6c, and outer grooves 6b, 6d at the inside and outside of the tooth part, covering a stator core by means of insert-molding 7 by a resin, forming a groove-insulating layer 7f at the inner grooves 6a, 6c and the outer grooves 6b, 6c and end plates 7a at both the end parts of the stator core 1, and serial- winding inside windings 9d, 9e, and 9f between the inner grooves 6a, 6c and the next inner grooves 6a, 6c, and outside windings 8a, 8b, and 8c between the outer grooves 6b, 6d, and the next outer grooves 6b, 6d, and recessed part 7e is formed at the position which meets the pole center of the outside windings 8a, 8b, and 8c at both the end plates 7a.

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